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3/4/99

Group Art Unit: 1754

Examiner: Langel

Title: LOWER-ENERGY HYDROGEN METHODS AND STRUCTURES

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February 8, 1999

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**Sir:**

In response to the Office Action dated October 21, 1998, amendment of the subject application is respectfully requested.

Please cancel claim 104 without prejudice.

Please amend claims 52, 54-56, 69-73, 76, 78, 84, 85, 92, 94 and 107 as follows:

52. (Amended) A cell for extracting energy from hydrogen atoms comprising:  
a reaction vessel containing  
gaseous hydrogen atoms; and  
a gaseous catalyst having a net enthalpy of reaction of about  $27 * (p/2)$  eV,

02/10/1999 WHITCHEL 00where p is an integer greater than 1[.

01 FC:203  
02 FC:202  
03 FC:215

whereby said hydrogen atoms react with said catalyst in said reaction vessel at a pressure less than atmospheric, thereby releasing energy and producing